Highlights of This Issue

REVIEW

639 EZH2: Not EZHY (Easy) to Deal
Gauri Deb, Anup Kumar Singh, and Sanjay Gupta

654 PTEN Is a Potent Suppressor of Small Cell Lung Cancer
Min Cui, Arnaud Augert, Michael Rongione, Karina Conkrite, Susan Parazzoli, Alexander Yu. Nikitin, Nicholas Ingolia, and David MacPherson

CELL CYCLE AND SENESCENCE

660 TRAP1 Regulates Proliferation, Mitochondrial Function, and Has Prognostic Significance in NSCLC
Jackeline Agorreta, Jiayang Hu, Dongxia Liu, Domenico Delia, Helen Turley, David JP. Ferguson, Francisco Iborra, María J. Pajares, Marta Larrayoz, Isabel Zudaire, Ruben Pio, Luis M. Montuenga, Adrian L. Harris, Kevin Gatter, and Francesco Pezzella

670 The Multifunctional Growth Factor Midkine Promotes Proliferation and Migration in Pancreatic Cancer

CELL DEATH AND SURVIVAL

681 NEDD9 Regulates Actin Dynamics through Cortactin Deacetylation in an AURKA/HDAC6–Dependent Manner
Varvara K. Kozyreva, Sarah L. McLaughlin, Ryan H. Livengood, Robin A. Calkins, Laura C. Kelley, Anuradha Rajulapati, Ryan J. Ice, Matthew B. Smolkin, Scott A. Weed, and Elena N. Pugacheva

694 Asparagine Depletion Potentiates the Cytotoxic Effect of Chemotherapy against Brain Tumors

703 mTOR Inhibition Potentiates HSP90 Inhibitor Activity via Cessation of HSP Synthesis
Jaime Acquaviva, Suqin He, Jie Sang, Donald L. Smith, Manuel Sequeira, Chaohua Zhang, Richard C. Bates, and David A. Proia

CHROMATIN, GENE, AND RNA REGULATION

714 Novel Roles for ERK5 and Cofilin as Critical Mediators Linking ERα-Driven Transcription, Actin Reorganization, and Invasiveness in Breast Cancer
Zeynep Madak-Erdoğanoğlu, Rosa Ventrerella, Luke Petry, and Benita S. Katzenellenbogen

728 HIFs Enhance the Transcriptional Activation and Splicing of Adrenomedullin
Johnny A. Sena, Liyi Wang, Matthew R. Pawlus, and Cheng-Jun Hu

GENOMICS

742 Contribution of Tumor Heterogeneity in a New Animal Model of CNS Tumors
Fuyi Chen, Albert J. Becker, and Joseph J. LoTurco

754 Spontaneous Reversion of the Angiogenic Phenotype to a Nonangiogenic and Dormant State in Human Tumors
Michael S. Rogers, Katherine Novak, David Zurakowski, Lorna M. Cryan, Anna Blois, Eugene Lifshits, Trond H. Bo, Anne M. Oyan, Elise R. Bender, Michael Lampa, Soo-Young Kang, Kamila Naxerova, Karl-Henning Kalland, Oddbjorn Straume, Lars A. Akslen, Randolph S. Watnick, Judah Folkman, and George N. Naumov
ONCOGENES AND TUMOR SUPPRESSORS

765 PGE2-Driven Expression of c-Myc and OncomiR-17-92 Contributes to Apoptosis Resistance in NSCLC
Kostyantyn Krysan, Rebecca Kusko, Tristan Grogan, James O’Hearn, Karen L. Reckamp, Tonya C. Walser, Edward B. Garon, Marc E. Lenburg, Sherven Sharma, Avrum E. Spira, David Elashoff, and Steven M. Dubinett

775 Fhit Regulates EMT Targets through an EGFR/Src/ERK/Slug Signaling Axis in Human Bronchial Cells
Audrey Joannes, Simon Grelet, Laurent Duca, Christine Gilles, Claire Kileztky, Véronique Dalstein, Philippe Birembaut, Myriam Polette, and Béatrice Nawrocki-Raby

784 DDB2 Suppresses Tumorigenicity by Limiting the Cancer Stem Cell Population in Ovarian Cancer
Chunhua Han, Ran Zhao, Xingluo Liu, Amit Srivastava, Li Gong, Hsiao-yin Mao, Meihua Qu, Wei-qiang Zhao, Jianhua Yu, and Qi-En Wang

SIGNAL TRANSDUCTION

795 Beneficial Effects of RAF Inhibitor in Mutant BRAF Splice Variant–Expressing Melanoma
Edward J. Hartsough, Kevin J. Basile, and Andrew E. Aplin

803 Novel Potent and Selective Inhibitors of p90 Ribosomal S6 Kinase Reveal the Heterogeneity of RSK Function in MAPK-Driven Cancers
Ida Aronchik, Brent A. Appleton, Stephen E. Basham, Kenneth Crawford, Mercedita Del Rosario, Laura V. Doyle, William F. Estacio, Jiong Lan, Mika K. Lindvall, Catherine A. Luu, Elizabeth Ornelas, Eleni Venetsanakos, Cynthia M. Shafer, and Anne B. Jefferson

ABOUT THE COVER

The cover image shows multicolor-labeled tumor cells in a model of glioblastoma multiforme in the rat. Both unicolored and mix-colored tumor clones are visible in this image. This multicolor glioblastoma multiforme is generated by cotransfecting radial glia with plasmids encoding oncogenic HRasV12/AKT and three fluorescent proteins GFP, mRFP, and CFP. This new animal model takes advantage of piggyBac transposon-mediated somatic transgenesis and provides a new method to study sources of brain tumor heterogeneity. For more information, see the article by Chen and colleagues on page 742.
Molecular Cancer Research

12 (5)


Updated version
Access the most recent version of this article at:
http://mcr.aacrjournals.org/content/12/5

E-mail alerts
Sign up to receive free email-alerts related to this article or journal.

Reprints and Subscriptions
To order reprints of this article or to subscribe to the journal, contact the AACR Publications Department at pubs@aacr.org.

Permissions
To request permission to re-use all or part of this article, contact the AACR Publications Department at permissions@aacr.org.